

Claims

1. A vehicle with a door that is suspended by hinges in a pillar in front of it and has a lock cooperating with a pillar at the back of it, **characterised in** that the door has a supporting press formed frame (10) of high-strength steel that has two standing hat beams (13,15) interconnected by an upper horizontal hat beam (14), a lower horizontal hat beam (16) and an intermediate side impact guard beam (22), the hat beams having their crowns (12) directed towards the interior of the vehicle and carrying an outer panel (28) by their outer side flanges (17), and at least one of the standing hat beams (13,15) having a profile height on at least a portion (23,24;28) of its length that overlaps the corresponding pillar (30,34).
2. A vehicle according to claim 1, **characterised in** that the rear one of the standing hat beams (15) overlaps the rear pillar (34).
3. A vehicle according to claim 1 or 2, **characterised in** that the front one of the standing hat beams (13) overlaps the front pillar (30).
4. A vehicle according to claim 3, **characterised in** that the front one of the standing hat beams (13) overlaps the front pillar (30) with a portion (23) of its length adjacent the upper one of the hinges of the door.
5. A vehicle according to claim 4, **characterised in** that the front one of the standing hat beams (13) overlaps the front pillar (30) solely adjacent the two hinges of the door but not in the area therebetween.
6. A vehicle according to any one of the preceding claims, **characterised in** that the side impact guard beam (22) is a hat beam having its crown directed towards the interior of the vehicle.

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7. A vehicle according to any one of the preceding claims, **characterised in** that the side impact guard beam slopes to the back.
8. A vehicle according to claim 7, **characterised in** that the side impact guard beam (22) joins with the front one of the standing hat beams (13) adjacent the upper one of the hinges but below it.